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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Application Number	09/386,709
Filing Date	August 31, 1999
First Named Inventor	David J. Brayden
Group Art Unit	1641
Examiner Name	J. Graser
Attorney Docket Number	P26,488-A USA

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U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
		Number	Kind Code (if known)		
26	AA	5,075,109		TICE et al.	12/24/1991
26	AB	5,362,478		DESAI et al.	11/08/1994
26	AC	5,393,527		MALICK et al.	02/28/1995
26	AD	5,417,986		REID et al.	05/23/1995
26	AE	5,439,686		DESAI et al.	08/08/1995
26	AF	5,441,739		KOSSOVSKY et al.	08/15/1995
26	AG	5,529,777		ANDRIANOV et al.	06/25/1996
26	AH	5,603,960		O'HAGAN et al.	02/18/1997
26	AI	5,631,263		PORTOGHESE, et al.	05/20/1997
26	AJ	5,674,534		ZALE, et al.	10/07/1997
26	AK	5,709,879		BARCHFELD, et al.	01/20/1998
26	AL	5,807,767		ANDRIANOV, et al.	09/15/1998
26	AM	5,871,747		GENGOUX-SEDLIK et al.	02/16/1999
26	AN	5,885,586		ECKHARDT et al.	03/23/1999
26	AO	5,885,587		ECKHARDT et al.	03/23/1999
26	AP	5,895,655		ECKHARDT et al.	04/20/1999
26	AQ	5,897,867		ECKHARDT et al.	04/27/1999
26	AR	6,004,763		GENGOUX et al.	12/21/1999
26	AS	6,309,669 B1		SETTERSTROM et al.	10/30/2001

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already of record

FOREIGN PATENT DOCUMENTS

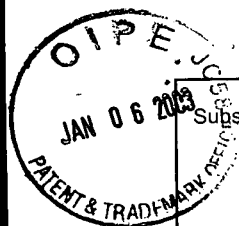
Examiner Initials*	Cite No.	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	T
		Office	Number	Kind Code (if known)			
26	AT		EP 0 154 902	✓	NEURATH, A.R. et al.	02/28/1985	
26	AU		WO 86/06635	✓	BIO-TECHNOLOGY AUSTRALIA PTY. LTD., RUSSELL-JONES, G. et al.	11/20/1986	
26	AV		EP 0 266 119B1	✓	SOUTHERN RESEARCH INSTITUTE, UNIVERSITY OF ALABAMA AT BIRMINGHAM, TICE, T.R., et al.	10/21/1987	
26	AW		EP 0 333 523	✓	THE UAB RESEARCH FOUNDATION, SOUTHERN RESEARCH INSTITUTE, TICE, T. et al.	03/20/1989	
26	AX		EP 0 706 792	✓	THE UAB RESEARCH FOUNDATION, SOUTHERN RESEARCH INSTITUTE, TICE, T., et al.	03/20/1989	
26	AY		WO 90/04963	✓	DANBIOSYST UK LIMITED, ILLUM, L. et al.	05/17/1990	
26	AZ		EP 0 484 624A3	✓	AMERICAN CYANAMID COMPANY, ECKHARDT, T.G.	05/18/1991	
26	BA		WO 92/18263	✓	THE USA, REID, R.H. et al.	11/12/1992	
26	BB		WO 93/20843	✓	CZINN, S. ET AL.	04/09/1993	

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		Office	Number	Kind Code (if known)			
90	BC		WO 93/21950	✓	MEDEVA HOLDINGS BV, ROBERTS, M. et al.	11/11/1993	
	BD		WO 94/15636	✓	CSL LIMITED, COX, J., et al.	12/24/1993	
	BE		WO 94/06472	✓	INSTITUT PASTEUR, GENGOUX, C. et al.	03/31/1994	
	BF		WO 94/08588	✓	CONSERVATOIRE NATIONAL DES ARTS ET METIERS, MORFIN, R.	04/28/1994	
	BG		WO 94/09898	✓	GANDER, B., et al.	05/11/1994	
	BH		WO 94/21289	✓	THE U.S. OF AMERICA, THE SECRETARY OF THE ARMY, REID, R. et al.	09/29/1994	
	BI		WO 95/02416	✓	VIRUS RESEARCH INSTITUTE, ANDRIANOV, A.K. et al.	01/26/1995	
85	BJ		WO 95/11008	✓	GENENTECH, INC., CLELAND, et al.	04/27/1995	
	BK		WO 95/11010	✓	GENENTECH, INC., CLELAND, J.L. et al.	04/27/1995	
	BL		EP 0 686 630B1	✓	TAKEDA CHEMICAL INDUSTRIES, LTD., SOHDA, T.	05/06/1995	
	BM		WO 95/13838	✓	GROSS, et al.	05/26/1995	
	BN		WO 95/17167	✓	GANDER, B. et al.	06/29/1995	
	BO		WO 95/35097	✓	UNIVERSITY OF NOTTINGHAM, YEH, et al.	12/28/1995	
	BP		EP 0 737 472A1	✓	LG CHEMICAL LIMITED, LEE, H.	03/15/1996	
	BQ		WO 96/14876	✓	THE REGENTS OF THE UNIVERSITY OF COLORADO, DUKE, R. et al.	05/23/1996	
	BR		WO 96/20698	✓	THE BOARD OF REGENTS, THE UNIV. MICHIGAN, LEVY, R. et al.	07/11/1996	
	BS		WO 97/17613	✓	ELAN CORPORATION, PLC, O'MAHONY, D.	05/15/1997	
	BT		WO 97/31691	✓	THE UNIVERSITY OF KANSAS, SUBRAMANIAM, et al.	09/04/1997	
	BU		WO 97/32572	✓	THE PENN STATE RESEARCH FOUNDATION, MASSACHUSETTS INSTITUTE OF TECHNOLOGY, EDWARDS, D. et al.	09/12/1997	
	BV		WO 98/51325	✓	CYTOGEN CORPORATION, ELAN CORPORATION, ALVAREZ, V. et al.	11/19/1998	
	BW		WO 98/51825	✓	ELAN CORPORATION, PLC, CYTOGEN CORPORATION, O'MAHONY, D. et al.	11/19/1998	
	BX		WO 98/58668	✓	MICROBIOLOGICAL RESEARCH AUTHORITY, FARRAR, G.H. et al.	12/30/1998	

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OTHER DOCUMENTS - NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T
BY		ELDRIDGE, J.H. et al., "Controlled Vaccine Release In The Gut-Associated Lymphoid Tissues. I. Orally Administered Biodegradable Microspheres Target The Peyer's Patches", Journal of Controlled Release, 1990, Vol. 11, pp. 205-214	
BZ		UCHIDA T., et al., "Oral Delivery of Poly(lactide-co-glycolide) Microspheres Containing Ovalbumin as Vaccine Formulation: Particle Size Study", Biol. Pharm Bull, September 1994, Vol. 17, No. 9, pp. 1272-1276	
CA		KISSEL, T., et al., "Injectable Biodegradable Microspheres for Vaccine Delivery" Microparticulate Systems for the Delivery of Proteins and Vaccines, Marcel Dekker, Inc. (S. COHEN, et al., Editors), 1996, pp. 51-87	
CB		JONES, D.H. et al., "Orally Administered Microencapsulated Bordetella pertussis Fimbriae Protect Mice from B. pertussis Respiratory Infection", Infection and Immunity, February 1996, Vol. 64, No. 2, pp. 489-494	
CC		SINGH, M. et al., "Controlled Release Microparticles as a Single Dose Diphtheria Toxoid Vaccine: Immunogenicity in Small Animal Models", Vaccine, February 1996, Vol. 16, No. 4, pp. 346-352	
CD		SINGH, M. et al., "The Preparation and Characterization of Polymeric Antigen Delivery Systems for Oral Administration", Adv. Drug Delivery Rev., December 1, 1998, Vol. 34, No. 2-3, pp. 285-304	

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